

Vmax 1

Oil-free vane compressor



Alfons Haar

**Vmax 1 achieves more!
Up to 40% faster discharge rate.**




DIN EN ISO 9001 : 2000

Made in Germany



Vmax 1 was designed to pressure discharge liquids from general-purpose road tankers where pumps cannot be used because of the aggressive and or corrosive nature of the cargo. Typical products: liquid animal food, foodstuff, bitumen, heavy fuel oil, etc.

► **Your benefit:**

- 850 l/min potential road tanker liquid discharge at 2 bar g. or 730 l/min at 2.5 bar g.
- High flow rate of 75 to 200 m³/h
- Max. pressure at Vmax 1 2.5 bar g.
- Stainless steel rotor
- Unique water protected side plates
- Speed range 1000-1600 r.p.m.
- Relation flow rate/weight 4.6 m³/kg
- Drive options: Prop shaft drive, Hydraulic drive, Electric motor drive, Diesel engine drive
-  ancillaries and service

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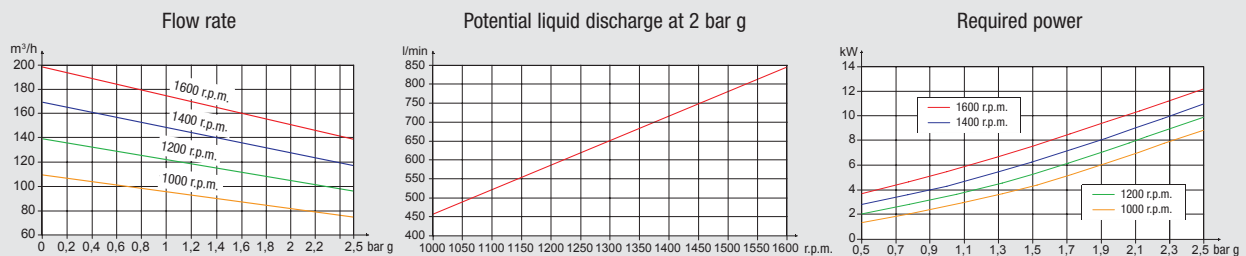
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Vmax 1 achieves more:

- ▶ High airflow giving road tanker discharge rates of up to 850 l/min at 2 bar g. or 730 l/min at 2.5 bar g.!
- ▶ Computer optimized aspect ratio of body bore diameter to rotor diameter to rotor length giving maximum efficiency! Resulting in low air outlet temperature, high airflow for its size and low specific power requirements!
- ▶ The bearings of the machine are absolutely maintenance-free!
- ▶ Stainless steel rotor and anodized body and side plates for corrosion protection!
- ▶ There is no absolut certainly but unique venting of side plates makes entering of water virtually impossible.
- ▶ Very efficient cooling fans on both sides of the Vmax 1 are cooling the bearings and the complete machine!
- ▶ Double shaft extension of Vmax 1 for clockwise and anticlockwise rotation!
- ▶ Vmax 1 can be mounted through 360° !
- ▶ Easy rebuilding feet allowing a high flexibility if mounting the Vmax 1 at the truck chassis!

⚠ ancillaries like companion flanges, suction flanges, pressure flanges, intake air filter, non-return valve, pressure relief valve and mounting brackets are available.

⚠ recommends the combined pressure relief and check valve KÜR1, optimized for Vmax 1 with high flexibility and for reducing costs!



Dimensions:

